Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

	SF-C	4703	9-	<b>-</b> B	
6.	If Indian.	Allottee	or	Tribe	Name

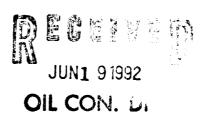
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			manica a difference	4

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE			
. & Prod. Corp. 505 327-4892 New Mexico 87401 escription) Section 18-T28N-R10W	8. Weil Name and No.  Kutz Government #10  9. API Well No.  30-045 07487  10. Field and Pool, or Exploratory Area  Basin Fruitland Coal  11. County or Parish, State  San Juan County, N.M.		
s) TO INDICATE NATURE OF NOTICE, RE	PORT, OR OTHER DATA		
TYPE OF ACTI	10N		
Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Other	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water  (Note Report results of multiple completion on Well Completion or Recompletion Report and Log form)		
	New Mexico 87401  escription)  Section 18-T28N-R10W  S) TO INDICATE NATURE OF NOTICE, RE  TYPE OF ACTI  Abandonment  Recompletion  Plugging Back Casing Repair Altering Casing Other		

SEE ATTACHED FRACTURE TREATMENTS



(This space for	Federal or State office use)	Title		ACCEPTED FOR	RECORD
Signed fam		1 Title	Agent	Date _	6/4/92
FOR:	BRECK OPERATING				

DIST. 3

Conditions of approval, if any: JUN 17 1992

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of ARMINETENERS OF Translation of Translation of The Miner of The Control of Th or representations as to any matter within its jurisdictio

\*See instruction on Reverse Side

## FRACTURE TREATMENT

Formation BASIN Stage FRUITLAND COAL	No. 1		Date5/11/92	
Operator BRECK OPERATING COR	PORATION	Lease an	d Well Kutz	Government #10
Correlation Log	Туре	Fro	m	То
Temporary Bridge Plug	Туре		Set	At
Perforations	•	1939') 1734'-1939		
	3 P	er foot type5	" 51 Total	
Pad	10,000 Fluid wa	gallons. s 20# linear gel w	Additivesith foamer, En	65% N2 foam. zyme breaker
		eriacide.		
Water	11,938 with foar	gallons. mer, Enzyme breake	Additives_rand Bacteria	20# linear gel
Sand	5,000 40,600	lbs. Siz	40/70 ce 20/40	
Flush	1,218	gallons.	Additives_	Linear gel 20#
Breakdown	1,700	psig		
Ave. Treating Pressure	1,850	psig		
Max. Treating Pressure	2,150	psig		
Ave. Injecton Rate	25.5	ВРМ		
Hydraulic Horsepower		HHP		
Instantaneous SIP	1,050	psig		
5 Minute SIP	940	psig		
10 Minute SIP	910	psig		
15 Minute SIP	900	psig		
Ball Drops:	None	Balls at	gallon	spsig incr
		Balls at	gallon	
		Balls at	gallon	
Remarks: Set 4-1/2" packer a	it 1885'KB.	Had communication	above packer	so TOH
with packer and treated well d from 1734'-1939' were treated.	lown 4-1/2"	csg. Perfs Wa	lSh engineening	, & PHODUCTION COR

BASIN FRUITLAND COAL Formation Stag	FRACTURE TREATMENT ge No Date 5/12/92					
<del> </del>	DRPORATION Lease and Well Kutz Government #1					
Correlation Log	TypeFromTo					
Temporary Bridge Plug	Type Wireline Owens Top Drillable Set At 1880'KB					
Perforations	1734'-1860'  2 Per foot type 0.5"					
Pad	10,000 gallons. Additives 70% N2 Foam.  Fluid was 20# linear gel with foamer, Enzyme breaker, and Bactericide.					
Water	13,776 gallons. Additives 70% N2 Foam.  Fluid was 20# linear gel with foamer, Enzyme breaker and Bactericide.					
Sand	5,000 40/70 32,000 lbs. Size 20/40					
Flush	Included Above gallons. Additives					
Breakdown	psig					
Ave. Treating Pressure	2,680 psig					
Max. Treating Pressure	2,930 psig					
Ave. Injecton Rate	26.0 BPM					
Hydraulic Horsepower	HHP					
Instantaneous SIP						
5 Minute SIP	1,147 psig					
10 Minute SIP	1,142 psig					
15 Minute SIP	1,140 psig					
Ball Drops:	None Balls at gallons psi					
	inc Balls at gallons psi					
	inc Balls at gallons psi inc					
	Packer at 1667' and fraced down 2-7/8", 4.6#, N-80 $Walsh$ Engineering a phoduction co					